OVERVIEW

1. USB 3.2 Gen 1
2. USB 3.2 Gen 1 (Always On)
3. Kensington Nano Security Slot
4. Thunderbolt 4
5. HDMI 2.0b
6. Headphone / microphone combo jack (3.5mm)
PERFORMANCE

Processor

Processor Family
11th Generation Intel® Core™ i5 / i7 Processor

Processor**

<table>
<thead>
<tr>
<th>Processor Name</th>
<th>Cores</th>
<th>Threads</th>
<th>Base Frequency</th>
<th>Max Frequency</th>
<th>Cache</th>
<th>Memory Support</th>
<th>Processor Graphics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core i5-1135G7</td>
<td>4</td>
<td>8</td>
<td>2.4GHz</td>
<td>4.2GHz</td>
<td>8MB</td>
<td>LPDDR4x-4266</td>
<td>Intel Iris® Xe Graphics</td>
</tr>
<tr>
<td>Core i7-1165G7</td>
<td>4</td>
<td>8</td>
<td>2.8GHz</td>
<td>4.7GHz</td>
<td>12MB</td>
<td>LPDDR4x-4266</td>
<td>Intel Iris Xe Graphics</td>
</tr>
</tbody>
</table>

Operating System

Operating System**
- Windows® 11 Pro 64
- Windows 11 Home 64
- Windows 10 Pro 64
- Windows 10 Home 64
- No operating system

Graphics

Graphics

<table>
<thead>
<tr>
<th>Graphics</th>
<th>Type</th>
<th>Memory</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intel Iris Xe Graphics</td>
<td>Integrated</td>
<td>Shared</td>
<td>DirectX® 12.1</td>
</tr>
</tbody>
</table>

Monitor Support

Monitor Support
Supports up to 3 independent displays (native display and 2 external monitors via HDMI® and Thunderbolt™)
- HDMI supports up to 3840x2160@60Hz
- Thunderbolt supports up to 7680x4320@30Hz

Chipset

Chipset
Intel SoC (System on Chip) platform

Memory

Max Memory(1)
- 8GB soldered memory, not upgradable
- 16GB soldered memory, not upgradable

Memory Slots
Memory soldered to systemboard, no slots, dual-channel (8GB or 16GB model)

Memory Type
LPDDR4x-4266

Notes:
1. The max memory is based on the test results with current Lenovo® memory offerings. The system may support more memory as the technology develops.

Storage

Storage Support(2)
One drive, up to 512GB M.2 2242 SSD or 1TB M.2 2280 SSD

Storage Type***

<table>
<thead>
<tr>
<th>Disk Type</th>
<th>Interface</th>
<th>RPM</th>
<th>Security</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.2 2242 SSD</td>
<td>PCIe® NVMe®, PCIe 3.0 x4</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>M.2 2280 SSD</td>
<td>PCIe NVMe, PCIe 3.0 x4</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
M.2 2280 SSD PCIe NVMe, PCIe 4.0 x4

Notes:
1. The storage capacity supported is based on the test results with current Lenovo storage offerings. The system may support larger storage as the technology develops.

Removable Storage

Optical
None

Card Reader
No card reader

Multi-Media

Audio Chip
High Definition (HD) Audio, Realtek® ALC3306 codec

Speakers
• Stereo speakers, 2W x 2, Dolby® Audio™, audio by HARMAN
• Stereo speakers, 2W x 2, Dolby Audio, audio by HARMAN, Smart AMP

Microphone
Dual array microphone with AI-based noise cancellation, switchable audio modes

Camera
HD 720p, with ThinkShutter, fixed focus

Battery

Battery
Integrated Li-Polymer 56Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

Max Battery Life
MobileMark® 2014: 16 hr
MobileMark 2018: 12.1 hr

Notes:
1. All battery life claims are approximate maximum and based on results using the MobileMark 2014, MobileMark 2018, JEITA 2.0, continuous 1080p video playback (with 150nits brightness and default volume level) or Google Power Load Test (PLT) battery-life benchmark tests. Actual battery life will vary and depends on many factors such as product configuration and usage, software use, wireless functionality, power management settings, and screen brightness. The maximum capacity of the battery will decrease with time and use.

Power Adapter

Power Adapter
65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
65W USB-C slim (2-pin, wall-mount) AC adapter, supports PD 3.0, 100-240V, 50-60Hz

Notes:
1. AC adapter offerings depend on the country.
2. 65W USB-C slim (Wall Mount) AC adapter is only available in selected countries

DESIGN

Display

Display

<table>
<thead>
<tr>
<th>Size</th>
<th>Resolution</th>
<th>Touch</th>
<th>Type</th>
<th>Brightness</th>
<th>Aspect Ratio</th>
<th>Contrast Ratio</th>
<th>Color Gamut</th>
<th>Viewing Angle</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.3&quot;</td>
<td>WUXGA (1920x1200)</td>
<td>None</td>
<td>IPS</td>
<td>300 nits</td>
<td>16:9</td>
<td>100:1</td>
<td>100% sRGB</td>
<td>170°</td>
<td>Dolby Vision™</td>
</tr>
<tr>
<td>13.3&quot;</td>
<td>WQXGA</td>
<td>None</td>
<td>IPS</td>
<td>300 nits</td>
<td>16:10</td>
<td>1000:1</td>
<td>100%</td>
<td>170°</td>
<td>Dolby Vision</td>
</tr>
</tbody>
</table>
### Touchscreen
- Capacitive-type multi-touch, supports 10-point touch
- Non-touch

### Input Device
**Keyboard**
6-row, spill-resistant, multimedia Fn keys

**Keyboard Backlight**
LED backlight

**Touchpad**
Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP)

### Mechanical

- **Dimensions (WxDxH)**
  299 x 210 x 14.9 mm (11.77 x 8.27 x 0.59 inches)

- **Weight**
  Starting at 1.26 kg (2.78 lbs)

- **Case Color**
  Mineral grey, dual-tone design

- **Surface Treatment**
  Anodizing sandblasting

- **Case Material**
  Aluminium (top), aluminium (bottom)

**Notes:**
1. The system dimensions and weight vary depending on configurations.

### CONNECTIVITY

**Network**

- **Onboard Ethernet**
  No Ethernet

- **WLAN + Bluetooth®**
  Wi-Fi® 6, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1

**Notes:**
1. Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitation
2. Wi-Fi 6 full features might be limited by country-level restrictions.
   - BT5.1 is supported on Windows 10 version 2004 or above (limited to BT5.0 on the earlier version).

**Ports**

- **Standard Ports**
  1. 1x USB 3.2 Gen 1
  2. 1x USB 3.2 Gen 1 (Always On)
• 1x Thunderbolt 4 / USB 4 40Gbps (support data transfer, Power Delivery 3.0, and DisplayPort™ 1.4)
• 1x HDMI 2.0b
• 1x Headphone / microphone combo jack (3.5mm)

Notes:
1. The transfer speed of following ports will vary and, depending on many factors, such as the processing speed of the host device, file attributes and other factors related to system configuration and your operating environment, will be slower than theoretical speed.

USB 2.0: 480 Mbit/s;
USB 3.2 Gen 1 (SuperSpeed USB 5Gbps, formerly USB 3.0 / USB 3.1 Gen 1): 5 Gbit/s;
USB 3.2 Gen 2 (SuperSpeed USB 10Gbps, formerly USB 3.1 Gen 2): 10 Gbit/s;
USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;
Thunderbolt 3/4: 40 Gbit/s

Docking

Docking

Various docking solutions supported via Thunderbolt.
For more compatible docking solutions, please visit Docking for ThinkBook 13s G2 ITL

SECURITY & PRIVACY

Security

Security Chip**
• Discrete TPM 2.0, TCG certified
• Firmware TPM 2.0 integrated in SoC

Physical Locks
Kensington® Nano Security Slot

Fingerprint Reader
Touch style fingerprint reader on smart power button

BIOS Security
• Power-on password
• Supervisor password
• Hard disk password

Other Security
ThinkShutter camera cover

SERVICE

Warranty

Base Warranty** (!!)
• 1-year depot service
• 1-year depot with 2-year system board service (Korea only)
• 2-year (1-yr battery) depot service

Notes:
1. More information of warranty policy, please access https://pcsupport.lenovo.com/warranty

ENVIRONMENTAL

Operating Environment

Temperature (!!)
• At altitudes up to 2438 m (8,000 ft)
  - Operating: 5°C to 35°C (41°F to 95°F)
  - Storage: 5°C to 43°C (41°F to 109°F)
• At altitudes above 2438 m (8,000 ft)
  - Maximum temperature when operating under the unpressurized condition: 31.3°C (88°F)

Humidity
• Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
• Storage: 5% to 95% at wet-bulb temperature 27°C (81°F)

Altitude
Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:
1. When you charge the battery, its temperature must be no lower than 10°C (50°F).

CERTIFICATIONS

Green Certifications

EPEAT™ Silver
ENERGY STAR® 8.0
ErP Lot 3
RoHS compliant

Other Certifications

Mil-Spec Test
MIL-STD-810G military test passed

Other Certifications

(Optional) Intel Evo™ Platform
TÜV Rheinland® Low Blue Light

• Feature with ** means that only one offering listed under the feature is configured on selected models.

• Feature with *** means that one or more offerings listed under the feature could be configured on selected models.

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